TENTATIVE SYMPOSIA FOR 16th ANNUAL WINTER NEUROPEPTIDE CONFERENCE

PLENARY SPEAKER

"Neuropeptides, Learning and Memory"

Dr. David De Wied

PANEL: "Gut Neuropeptides: Motilin." Theo Peeters, Katholieke Universiteit Leuven, Department of Medical Research, Gut Hormone Laboratory, Gasthuisberg O & N, B-3000 Leuven, Belgium

"Motilin and the regulation of gastrointestinal motility"

"Characterization and localization of the motilin receptor"

"Interaction of motilin with the enteric nervous system"

"Development and therapeutic applications of motilin agonists"

"Presence in the brain and central effects of motilin"

PANEL: "Insect Neuropeptides." Ronald J. Nachman, Food Animal Protection Research Laboratory, United States Department of Agriculture, Agriculture Research Service, Route 5, Box 810 College Station TX 77845

"Insect Neuropeptides: An Overview." Peter Masler, Insect Hormone Laboratory, U.S. Department of Agriculture, Beltsville, MD

"Neuropeptides (including CRF-related) Implicated in the Control of Diuresis in Insects.", Geoff Coast, Department of Biology, University of London, UK

"Insect Metabolic Neuropeptides." Larry Keeley, Department of Entomology, Texas A&M University, College Station, TX

"Insect Pheromone Biosynthesis Activating Neuropeptides." Peter Teal, Insect Attractants, Behavior and Basic Biology Research Laboratory, U.S. Department of Agriculture, Gainesville, FL

"Active Conformation and Mimetic Agonist Development of Insect Neuropeptides." Ronald Nachman, Food Animal Protection Research Laboratory, United States Department of Agriculture, Agriculture Research Service, Route 5, Box 810, College Station TX 77845

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PANEL: "Central Vasoactive Peptides: Where, When, and Why Are They Secreted?" Mariana Morris, Bowman Gray School of Medicine of Wake Forrest University, Winston-Salem NC 27157

"The Renin Transgenic Rat: A Model for the Study of Central Peptide Dysfunction." Mariana Morris, Bowman Gray School of Medicine of Wake Forrest University, Winston-Salem NC 27157

"Functional Role of Centrally Released Vasopressin and Oxytocin?" Michael Callahan, Bowman Gray School of Medicine of Wake Forrest University, Winston-Salem NC 27157

"Neurochemical Control of Central Peptide synthesis and Secretion Using a Hypothalamic Tissue Culture Movel, Celia D. Sladek, University of Health Sciences, the Chicago Medical School, North Chicago, IL 60064-3095

"Brain Angiotensin: Does if Regulate Cardiovascular and Fluid Balance?" Allen Kim Johnson, Department of Psychology, Iowa City, IA 52242

PANEL: "Brain Circumventricular Organs (CVOs): Portals for Peptides." Allen Kim Johnson, Department of Psychology, Iowa City, IA 52242

"The Actions of Circulating Peptides on CVOs on the Lamina Terminalis (i.e., SFO and OVLT) in Body Fluid and Cardiovascular Homeostasis." S.L. Bealer, University of Tennessee

"The Role of the Periventricular Anteroventral Third Ventricle in the Mediation of Sympathetic Nerve Activity Induced by Insulin." M. Muntzel, City University of New York

"The Actions of Vasopressin on the Area Postrema in Normal and Pathological (Hypertension) Regulation of Arterial Blood Pressure E. Hasser, University of Missouri

"The Role of the Area Postrema in Energy and Mineral Metabolism." G.L. Edwards, University of Georgia

"The Use of Cultured Circumventricular Organ Neurons for an in vitro Analysis of Peptide Action." Meredith Hay, University of Texas Health Sciences Center at San Antonio

PANEL: "Excitory Effects of Corticotropin Releasing Hormone (CRH) on Immature Neurons: in vivo, in vitro, Neuropathology and Implications." Charles E. Ribak, University of California, Irvine, Department of Anatomy and Neurobiology College of Medicine, Irvine, CA 92717

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"CRH-induced seizures in immature rats: in vivo effects of synthetic neuropeptide and of alterationsin endogenous peptide production." Tallie Z. Baram, USC Children's Hospital, Los Angeles, CA

"In vitro effects of CRH in the immature vs. mature hippocampal slice preparation -- potential mechanisms." F. Edward Dudek, Colorado State University, Fort Collins, CO

"Synaptic reorganization and neuronal death secondary to CRF-induced status epilepticus in infant rats." Charles E. Ribak, University of California, Irvine, Department of Anatomy and Neurobiology, College of Medicine, Irvine, CA 92717

PANEL: "Melanocortin Receptors and Functional Anatagonism in the Pro-opiomelanocortin Neuron System." Jeffrey Tatro, Tufts University School of Medicine and New England Medical Center Hospitals

"Functional Organization of the Melanocortinergic Neuron-receptor System." Jeff Tatro, Tufts University School of Medicine and New England Medical Center Hospitals

"Molecular Biology of the Melanocortin Receptor Family." Linda Roselli-Rehfuss, Clinical Research Institute of Montreal

"Functional Antagonism between Melanocortins, Endorphins and Cytokines in Neuroendocrine Regulation." Sharon Wardlaw, College of Physicians and Surgeons, Columbia University

"The Molecular Genetics and Biology of *Agouti*." Gregory S. Barsh, Howard Hughes Medical Institute, Stanford University Medical Center

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